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	Application Number	10/625,304				
	Filing Date	July 23, 2003				
	First Named Inventor	Harold H. Mays				
	Art Unit	2834				
	Examiner Name	Le, Dang D				
_	Attorney Docket Number	67010-039-H2624-SUN				

			U. S. PATEN	T DOCUMENTS	
Examiner Initials*	Cite No.	Document Number Number-Kind Code ^{2 (F known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
7)6		^{US-} 4,970,424	11-13-1990	Nakamura .	70 42
n		^{US-} 4,091,301	05-23-1978	Blank	310/276
n		^{US-} 1,238,304	08-28-1917	Kuyser	201183
		US-			

		FORE	IGN PATENT DOCL	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	
		Country Code ³ Number ⁴ 'Kind Code ³ (if known)	MM-DD-YYYY			
1)(DE 36 22 231 A	01-07-1988	Bosch		L
1		EP 0 025 292 A	03-18-1981	Westinghouse	_	
		JP 57 071242 A	05-04-1982	Shinko Electric		
		JP 04 029546 A		Matsushita Electric		
20		EP 0 786 855 A	07,30-1997	Fanuc		L
7						
pt		EP 0 786 855 A	07/30-1997			

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<u>,</u>	1 <i>14</i> 1					Application Number	10/625,304	
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•	OTATEMENT BY ALL ELOANT					Group Art Unit	2834	
			(use as many si	heel	ls as necessary)	Examiner Name	Le, Dang D	
	Sheet	2		of	2	Attorney Docket Number	67010-039;H2624-SUN	

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